

MCDR INSPECTION REPORT

S. N.	Particulars	Details
1	Name of the Mine	CHITTAPUR LIMESTONE MINE
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	796.43 Ha
3	Mine code	38KAR10013
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/378/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Nuvoco Vistas Corporation Limited (formerly Lafarge India Limited) Equinox Buisness Park, Tower -3, East Wing, 4 th Floor, Office Bandra-Kurla Complex, LBS Road, Kurla- West, MUMBAI- 400070, Maharastra. Phone No- 022-66306511, Fax No- 022-66306510, E- Mail – Joydeep.chatterjee@nuvoco.com
6	Village	Ravoor, K-Chittapur & K-Nagaon
7	Taluk/Mandal	Chittapur
8	District	Gulbarga
9	Pin code	585225 (Ravoor-Village)
10	State	Karnataka
11	Post office	Ravoor
12	Nearest police station	Wadi / Chittapur
13	Nearest Railway station	Wadi
14	Date of Grant of Mining Lease	16/05/2008
15	Date of Execution	18/11/2008
16	Date of opening of Mine	03/10/2016
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Jaya Kumar Krishnaswamy (Nominated Owner) M/s Nuvoco Vistas Corporation Limited (formerly Lafarge India Limited) Equinox Buisness Park, Tower -3, East Wing, 4 th Floor, Office Bandra-Kurla Complex, LBS Road, Kurla- West, MUMBAI- 400070, Maharastra. Phone No- 022-66306511, Fax No- 022-66306510, Date of appointment – 1 st November 2018.

I/33073/2024

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr Sanjay Joshi M/s Nuvoco Vistas Corporation Limited (formerly Lafarge India Limited) RVR Towers, H.No- 6-3-1089/F, Level 4, Rajbhavan Road, Somajiguda, HYDERABAD-500082 (Telangana)
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shiojee Roy, Mines Manager Chittapur Limestone Mine M/s Nuvoco Vistas Corporation Limited (formerly Lafarge India Limited) Village- Ravor, PO- Ravor PIN-585225
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Tejnath,KB Mining Engineer
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Manish Kumar Mishra, Geologist
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review and Updation of Mining Plan By Letter No- 279/659/99/BNG/208 dated 20/04/2018
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Not Applicable
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanised
30	Captive/ Non captive	Captive
31	Date of inspection	30.11.23
32	Name of accompanying mine officials with designation	Shiojee Roy, Manager and others

Exploration

S.N.	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	No proposal	nil	-
1b	Exploration over lease area for Geological axis 1 or 2.	22 no's BH's of total Meterage 1100Mts for the year 2022-	Only two boreholes drilled with 101m meterage during	Violation has been pointed out for less exploration.

I/33073/2024

		23.	the year	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	Not specified	M/s Ecomen Laboratories Ltd.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	G1 –Nil G2 -610.22ha G3 -186.18ha Total :796.4ha	-
1e	Balance reserves as on 01.04.2023	-	-	Reserves as on 1.4.2023 is 221109990 tonnes.
1f	General remarks of inspecting officer on geology, exploration etc.	The lessee has not carried out the proposed 22 core borehole drilling for the year 2022-23. Violation has been pointed out to the lessee.		

Development

S.N.	Item	Proposals (2022-3)	Actual work (2022-23)	Remarks
2a	Location of development w.r.t. lease area	E715104 to E715287 and N1889071 to N1889264 Western part of the ML area	E715104 to E715287 and N1889071 to N1889264 Western part of the ML area Developed	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	TS-1 Bench Mineral- 1 Bench	TS-1 Bench Mineral-1 Bench Maintained	
2c	Stripping ratio or ore to OB ratio	1 : 0.47	1: 0.28	Ore- 22000 t

I/33073/2024

				OB- 6292 t
2d	Quantity of topsoil generation in m3	1650 m3	-	No top soil generated during the year
2e	Quantity of overburden generation in m3	3100 m3	2517 m3	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There is no specific comment on the development of the pit.		

Exploitation

S.N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	22000 MT	22000 MT	-
3c	Recovery of salable/usable mineral from ROM production	22000 MT	22000 MT	-
3d	Quantity of mineral reject generation	NIL	NIL	-
3e	Grade of mineral reject generation and threshold value declared	NIL (Cao above 35% & Sio2 less than 18%)	NIL (Cao above 35% & Sio2 less than 18%)	
3f	Quantity of sub-grade mineral generation	NIL	NIL	
3g	Grade of sub-grade mineral generation	-	-	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil	-
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	-

I/33073/2024

3k	Provision of mining machineries in mineral benches	Excavator & Tipper Combination	Back hoe -1 Tipper -1 Water taker -1	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB 1-3 mts Ore - Variable	OB- 1.5 m Ore- 5.0 m	
3m	Total area covered under excavation/pits	9.88 Ha(for the plan period)	1.73 Ha	Violation pointed out for incorrect extent of area.
3n	Ore to OB ratio for the pit/mine during the year	1: 0.47	1: 0.28	Ore- 22000 t OB- 6292 t
3o	Total area put in use under different heads at the end of year	Mining -9.88Ha Dump – 1.5 Ha Roads -1.0 Ha (for the plan period)	Pit -1.73Ha Dump – 0.68 Ha Infrastructure- 1.48 Ha	Violation pointed out for incorrect extent of Mining area.
3p	Production of ROM mineral during last five-year period, as applicable	2018-19 = 22000 MT 2019-20 = 22000 MT 2020-21 = 22000 MT 2021-22 = 22000 MT 2022-23 = 22000 MT	2018-19 = 22000 MT 2019-20 = 22000 MT 2020-21 = 22000 MT 2021-22 = 22000 MT 2022-23 = 22000 MT	
3q	General remarks of inspecting officer on method	The details of land use have not been given correctly. The violation has been pointed out. There is no change in the		

	of mining etc.	method of mining.
--	----------------	-------------------

Solid Waste Management-Dumping

S.N.	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Yes	
4b	Location of topsoil, OB & mineral reject dumps	Western part of ML area	As per proposal in Western part of ML area	
4c	Number of dumps within lease area and outside lease area	WML – 3 nos OML – Nil	WML – 3 nos OML – Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	
4e	Number of active & alive dumps	Active – 3	Active – 3	
4f	Number of dead dumps	NIL	Nil	
4g	Number of dumps stabilized	Nil	nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management.	There are no specific comments on waste dump management.		

Solid Waste Management-Backfilling

S.N.	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area	NA	NA	Mine is Opened on 3 rd Oct 2016 and

I/33073/2024

	before starting backfilling			under development stage, So no back filling and R&R proposed. Some part of TS is being utilized for Green Belt development.
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There are no proposals for backfilling.		

Progressive Mine Closure Plan

S.N.	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	Yes	Submitted on 27.06.2023	-
6b	Area available for rehabilitation (ha)	Nil	Nil	-
6c	Afforestation done (ha)	0.5	0.5	Safety zone
6d	No. of saplings planted during the year	700	739 within the lease and 380 outside the ML.	To compensate 200saplings had been planted outside Mine lease area
6e	Cumulative no. of plants	3500	4656(WML) 1387(OML)	Total 4248 No. of plantation including out of mining lease area.
6f	Any other specific method of rehabilitation	No proposal	Nil	-
6g	Cost incurred on watch & care during the year	Not specified	Not specified	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	No proposal	Nil	-

I/33073/2024

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	No proposal	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	No proposal	Nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	No proposal	Nil	-
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	No proposal	Nil	-
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	No proposal	Nil	-
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Nil	-
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Within the limits.	-
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	PMCP proposals are implemented as per approved proposals.		

Mineral Conservation

S.N.	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting			Only stocking of ROM within ML

I/33073/2024

	within lease area	YES	YES	area at designated places
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	nil	-
7c	Different grade of mineral sorted out at mines	Cement Grade	Cement Grade	-
7d	Any beneficiation process at mines	No proposal	-	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There are no specific remarks on Mineral conservation and Beneficiation issues.		

Environment

S.N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	yes	Utilizing for plantation and also stacking separately of future use.
8b	Concurrent use or storage of topsoil	Yes	Separately removed and dumped at designated place as per MP, Some part of TS Utilized for Green belt	-

I/33073/2024

			development along ML Boundary (7.5 Mts width).	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes (For TS, OB & Mineral)	Yes (For TS, OB & Mineral) maintained as per Mine Plan	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	700	739WML 3800ML	
8g	Survival rate	70%	95%	
8h	Water sprinkling on roads to control airborne dust	Yes	yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	There is no change in aesthetic beauty in and around mines area.		
Compliance of Rule 45				
S.N	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Returns. Submitted up to October,2023. Annual Returns Submitted up to 2022-2023 as on 27.06.2023.		
S.N	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual	Tejnath,KB	Appears to be	-

I/33073/2024

	return for information on Mining Engineer, Geologist and Manager	Mining Engineer Manish Kumar Mishra, Geologist Shiojee Roy, Manager	correct.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit -1.73Ha Dump – 0.68 Ha Infrastructure-1.48 Ha	Appears not correct.	Violation pointed out for incorrect extent of Mining area.
9d	Scrutiny of Annual return on afforestation	739WML 380 OML	Appears to be correct.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Appears to be correct.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/S- 91610 t Production - 22000t C/S -113610	Appears to be correct.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price - Rs 355.62/- cost of production - 563.39/-	Appears not correct.	Violation pointed out for Ex. Mine price
9i	Scrutiny of Annual return on fixed assets	Fixed Assets-Rs 252722500/-	Appears to be correct.	-
9k	Scrutiny of Annual return on mining machineries	Back hoe -1 Tipper -1 Water taker -1	Appears to be correct.	-

Date :

(K. Srinivas)
Junior Mining Geologist
Indian bureau of Mines